

Datasheet for ABIN3096333

WDHD1 Protein (AA 1-1129) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	WDHD1
Protein Characteristics:	AA 1-1129
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDHD1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MPATRKPMRY GHTEGHTEVC FDDSGSFIVT CGSDGDVRIW EDLDDDDPKF INVGEKAYSC ALKSGKLVTA VSNNTIQVHT FPEGVPDGIL TRFTTNANHV VFNGDGTKIA AGSSDFLVKI VDVMDSSQKQ TFRGHDAPVL SLSFDPKDIF LASASCDGSV RVWQISDQTC AISWPLLQKC NDVINAKSIC RLAWQPKSGK LLAIPVEKSV KLYRRESWSH QFDLSDNFIS QTLNIVTWSP CGQYLAAGSI NGLIIVWNVE TKDCMERVKH EKGYAICGLA WHPTCGRISY TDAEGNLGLL ENVCDPSGKT SSSKVSSRVE KDYNDFDGD DMSNAGDFLN DNAVEIPSFS KGIINDEDD EDLMMASGRP RQRSHLEDD ENSVDISMLK TGSSLLKEEE EDGQEGSIHN LPLVTSQRPF YDGPMPTPRQ KPFQSGSTPL HLTHRFMVWN SIGIIRCYND EQDNAIDVEF HDTSIHHATH LSNTLNITYIA DLSHEAILLA CESTDELASK LHCLHFSSWD SKEWIIDLQ QNEDIEAICL GQGWAAAATS ALLRLFTIG GVQKEVFSLA GPVVSMAHG EQLFIVYHRG TGFDGDQCLG VQLLELGKKK KQILHGDPLP LTRKSYLAWI GFSAEGTPCY VDEGIVRML NRGLGNTWTP ICNTREHCKG KSDHYWVVGI HENPQQLRCI PCKGSRFPPT LPRPAVAILS FKLPHYCIAT
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EKGQMEEQFW RSVIFHNHLD YLAKNGYEYE ESTKNQATKE QQELLMKMLA LSCKLREFR
CVELADLMTQ NAVNLAIKYA SRSRKLILAQ KLSELAWEKA AELTATQVEE EEEEEDFRKK
LNAGYSNTAT EWSQPRFRNQ VEEDAEDSGE ADDEEKPEIH KPGQNSFSKS TNSSDVSAKS
GAVTFSSQGR VNPFKVSASS KEPAMSMNSA RSTNILDNMG KSSKKSTALS RTTNNEKSPI
IKPLIPKPKP KQASAASYFQ KRNSQTNKTE EVKEENLKNV LSETPAICPP QNTENQRPKT
GFQMWLEENR SNILSDNPFD SDEADIIKEG MIRFRVLSTE ERKVVWANKAK GETASEGTEA
KKRKRNVDES DETENQEEKA KENLNLSKKQ KPLDFSTNQK LSAFAFKQE

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human WDHD1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step

Product Details

through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	WDHD1
Alternative Name:	WDHD1 (WDHD1 Products)
Background:	Acts as a replication initiation factor that brings together the MCM2-7 helicase and the DNA polymerase alpha/primase complex in order to initiate DNA replication. {ECO:0000269 PubMed:19805216}.
Molecular Weight:	126.9 kDa Including tag.
UniProt:	O75717

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process